

# CHEMISTRY

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### Supporting Information

#### **Facile Synthesis, Characterization, and Catalytic Behavior of a Large-Pore Zeolite with the IWV Framework**

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Table S1. Synthesis results in fluoride media

Linker Length	Gel Ratios				Seeds	Temp (°C)	Time (days)	Result	Product Si/Al Ratio <sup>b</sup>
	Si/Al	Si/Ge	Si/Ti	H <sub>2</sub> O/SiO <sub>2</sub>					
4	∞	-		4	None	175	6	<b>STW</b> /CIT-7 <sup>a</sup>	-
4	∞	-		4	CIT-7	175	6	CIT-7	-
4	15	-		4	CIT-7	175	5	CIT-7	10
4	20	-		4	None	175	12	CIT-7	13
4	25	-		4	CIT-7	175	5	CIT-7	17
4	50	-		4	None	175	18	CIT-7	27
4	100	-		4	CIT-7	175	4	CIT-7	36
4	250	-		4	CIT-7	175	4	CIT-7	225
5	-	-	-	3	CIT-10	175	11	CIT-10	
5	-	-	-	7	<b>IWV</b>	175	30	<b>BEA</b>	
5	-	-	-	4	<b>IWV</b>	175	20	<b>BEA</b>	
5	-	-	-	4	CIT-10	175	10	CIT-10	
5	-	10	100	7	<b>IWV</b>	175	9	<b>STW</b>	
5	-	15	100	7	<b>IWV</b>	175	9	<b>STW</b>	
5	-	20	100	7	<b>IWV</b>	175	18	<b>IWV</b>	
5	50	-	-	7	<b>IWV</b>	175	39	<b>IWV</b>	
5	50	-	-	7	-	175	14	<b>IWV</b>	
5	50	-	-	7	<b>IWV</b>	175	16	<b>IWV</b>	
5	100	-	-	7	<b>IWV</b>	175	15	<b>IWV</b>	43
5	200	-	-	7	<b>IWV</b>	175	16	<b>IWV</b>	
5	200	-	-	7	<b>IWV</b>	175	15	<b>IWV</b>	82
5	-	-	100	4	CIT-10	175	18	<b>BEA</b>	
6	-	-	-	14	-	160	38	<b>BEA</b>	
6	20			4	-	175	32	CIT-8P	
6	20	-	-	7	-	175		<b>BEA</b>	
6	50	-	-	7	-	175	27	<b>STF</b>	
8	20			4	-	175	25	<b>BEA</b>	
8	20			7	-	175	25	dense	
10	-	-	-	7	-	175	5	<b>MTW</b>	
10	20			7	-	175	23	<b>BEA</b>	
10	50			4		175	8	<b>BEA</b>	
10	50			7		175	15	<b>BEA</b>	

<sup>a</sup>Since **STW** and CIT-7 were competing products some syntheses produced pure phase versions (per XPD) of those molecular sieves

<sup>b</sup>Determined using EDS of calcined material

